

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method for preparing a yeast extract solution for cell-free protein synthesis, ~~which comprises rupturing a yeast cell in a frozen state and obtaining an extract solution thereof:~~ said method comprising:
freezing yeast cells to obtain frozen yeast cells;
rupturing said frozen yeast cells to obtain ruptured frozen yeast cells;
extracting said ruptured frozen yeast cells with a buffered solution for extraction to obtain an extract solution; and
after said extraction, removing intracellular components having a molecular weight of not more than 5,000 from said extract solution and concentrating the resulting solution to obtain the yeast extract solution capable of cell-free protein synthesis.

2. (Currently amended) The method of claim 1, wherein the yeast ~~cell is~~ cells are frozen with liquid nitrogen.

3. (Currently amended) The method of claim 1, wherein the yeast ~~cell is~~ mashed cells are ruptured by mashing in a mortar with a pestle.

4-9. (Cancelled)

10. (New) The method of claim 1, wherein said yeast extract solution capable of cell-free protein synthesis contains the extract obtained from yeast cells in a proportion of 1 mg/mL - 200 mg/mL in a protein concentration, together with 1 mM - 500 mM of potassium acetate, 0.01 mM - 10 mM of magnesium acetate, 0.01 mM - 10 mM of DTT, 1 µM - 50 mM of PMSF and 5 mM - 200 mM of HEPES-KOH (pH 6-8).

11. (New) The method of claim 1, wherein said buffered solution for extraction comprises a protease inhibitor.

12. (New) The method of claim 1, wherein said concentrated yeast extract solution has an absorbance at 280 nm of 35-100.